

# Carsten Sticht

## List of Publications by Year in descending order

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96  
papers

5,018  
citations

236925

25  
h-index

102487

66  
g-index

96  
all docs

96  
docs citations

96  
times ranked

9724  
citing authors

#	ARTICLE	IF	CITATIONS
1	HELLS Is Negatively Regulated by Wild-Type P53 in Liver Cancer by a Mechanism Involving P21 and FOXM1. <i>Cancers</i> , 2022, 14, 459.	3.7	6
2	Therapeutic efficacy of FASN inhibition in preclinical models of HCC. <i>Hepatology</i> , 2022, 76, 951-966.	7.3	25
3	<i>cdx1</i> Knockout Leads to a Diabetic Nephropathy-Like Phenotype in Zebrafish and Identifies Phosphatidylethanolamine as Metabolite Promoting Early Diabetic Kidney Damage. <i>Diabetes</i> , 2022, 71, 1073-1080.	0.6	14
4	Angiogenic and molecular diversity determine hepatic melanoma metastasis and response to anti-angiogenic treatment. <i>Journal of Translational Medicine</i> , 2022, 20, 62.	4.4	7
5	Accumulation of acetaldehyde in <i>aldh2.1</i> zebrafish causes increased retinal angiogenesis and impaired glucose metabolism. <i>Redox Biology</i> , 2022, 50, 102249.	9.0	9
6	Insulin-controlled C/EBP $\beta$ expression determines the impact of TGF- $\beta$ 2 on HNF4 $\beta$ transcription in hepatocytes. <i>Zeitschrift Fur Gastroenterologie</i> , 2022, 60, .	0.5	0
7	A hierarchical regulatory network ensures stable albumin transcription under various pathophysiological conditions. <i>Hepatology</i> , 2022, 76, 1673-1689.	7.3	6
8	Metabolic Profiling of Thymic Epithelial Tumors Hints to a Strong Warburg Effect, Glutaminolysis and Precarious Redox Homeostasis as Potential Therapeutic Targets. <i>Cancers</i> , 2022, 14, 1564.	3.7	7
9	High-content analysis of microRNAs involved in the phenotype regulation of vascular smooth muscle cells. <i>Scientific Reports</i> , 2022, 12, 3498.	3.3	2
10	MicroRNAs Influence the Migratory Ability of Human Umbilical Vein Endothelial Cells. <i>Genes</i> , 2022, 13, 640.	2.4	1
11	Supplementation of Specific Collagen Peptides Following High-Load Resistance Exercise Upregulates Gene Expression in Pathways Involved in Skeletal Muscle Signal Transduction. <i>Frontiers in Physiology</i> , 2022, 13, 838004.	2.8	6
12	Potential Therapeutic Effects of Long-Term Stem Cell Administration: Impact on the Gene Profile and Kidney Function of PKD/Mhm (Cy/+) Rats. <i>Journal of Clinical Medicine</i> , 2022, 11, 2601.	2.4	2
13	HYPK promotes the activity of the <i>HDAC</i> -acetyltransferase A complex to determine proteostasis of nonAc-X <sup>2</sup> /N-degron-containing proteins. <i>Science Advances</i> , 2022, 8, .	10.3	11
14	Exploring the transcriptomic network of multi-ligand scavenger receptor Stabilin-1- and Stabilin-2-deficient liver sinusoidal endothelial cells. <i>Gene</i> , 2021, 768, 145284.	2.2	16
15	Renal disease associated with myeloproliferative neoplasms and myelodysplastic syndrome/myeloproliferative neoplasms. <i>Histopathology</i> , 2021, 78, 738-748.	2.9	20
16	CaM Kinase II $\delta$ Is Required for Diabetic Hyperglycemia and Retinopathy but Not Nephropathy. <i>Diabetes</i> , 2021, 70, 616-626.	0.6	9
17	Endothelial GATA4 controls liver fibrosis and regeneration by preventing a pathogenic switch in angiocrine signaling. <i>Journal of Hepatology</i> , 2021, 74, 380-393.	3.7	81
18	Gene expression analysis of vastus medialis cells after tourniquet-induced ischemia during total knee arthroplasty: a randomized clinical trial. <i>European Journal of Trauma and Emergency Surgery</i> , 2021, 47, 233-240.	1.7	3

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19	PPAR $\beta$ induces PD-L1 expression in MSS+ colorectal cancer cells. <i>Oncolmmunology</i> , 2021, 10, 1906500.	4.6	15
20	Transient deSUMOylation of IRF2BP proteins controls early transcription in EGFR signaling. <i>EMBO Reports</i> , 2021, 22, e49651.	4.5	13
21	Gene Expression Profiles Reveal Extracellular Matrix and Inflammatory Signaling in Radiation-Induced Premature Differentiation of Human Fibroblast in vitro. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 539893.	3.7	7
22	Biphasic Effects of Blue Light Irradiation on Human Umbilical Vein Endothelial Cells. <i>Biomedicines</i> , 2021, 9, 829.	3.2	4
23	Insulin Directly Regulates the Circadian Clock in Adipose Tissue. <i>Diabetes</i> , 2021, 70, 1985-1999.	0.6	12
24	RGS5 Attenuates Baseline Activity of ERK1/2 and Promotes Growth Arrest of Vascular Smooth Muscle Cells. <i>Cells</i> , 2021, 10, 1748.	4.1	5
25	Reduced Acrolein Detoxification in <i>akr1a1a</i> Zebrafish Mutants Causes Impaired Insulin Receptor Signaling and Microvascular Alterations. <i>Advanced Science</i> , 2021, 8, e2101281.	11.2	11
26	Imbalanced Activation of Wnt/ $\beta$ -Catenin-Signaling in Liver Endothelium Alters Normal Sinusoidal Differentiation. <i>Frontiers in Physiology</i> , 2021, 12, 722394.	2.8	4
27	IER2-induced senescence drives melanoma invasion through osteopontin. <i>Oncogene</i> , 2021, 40, 6494-6512.	5.9	13
28	Co-expression of YAP and TAZ associates with chromosomal instability in human cholangiocarcinoma. <i>BMC Cancer</i> , 2021, 21, 1079.	2.6	14
29	Metabolic and Transcriptional Adaptations Improve Physical Performance of Zebrafish. <i>Antioxidants</i> , 2021, 10, 1581.	5.1	3
30	Muscle-specific Cand2 is translationally upregulated by mTORC1 and promotes adverse cardiac remodeling. <i>EMBO Reports</i> , 2021, 22, e52170.	4.5	13
31	Bone marrow sinusoidal endothelium controls terminal erythroid differentiation and reticulocyte maturation. <i>Nature Communications</i> , 2021, 12, 6963.	12.8	14
32	Disruption of the N $\beta$ -Acetyltransferase NatB Causes Sensitivity to Reductive Stress in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 799954.	3.6	6
33	Pianp deficiency links GABAB receptor signaling and hippocampal and cerebellar neuronal cell composition to autism-like behavior. <i>Molecular Psychiatry</i> , 2020, 25, 2979-2993.	7.9	13
34	Inhibition of miR30a-3p by sulforaphane enhances gap junction intercellular communication in pancreatic cancer. <i>Cancer Letters</i> , 2020, 469, 238-245.	7.2	24
35	NatB-Mediated N-Terminal Acetylation Affects Growth and Biotic Stress Responses. <i>Plant Physiology</i> , 2020, 182, 792-806.	4.8	44
36	TAZ target gene ITGAV regulates invasion and feeds back positively on YAP and TAZ in liver cancer cells. <i>Cancer Letters</i> , 2020, 473, 164-175.	7.2	39

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37	Elevated 4-hydroxynonenal induces hyperglycaemia via Aldh3a1 loss in zebrafish and associates with diabetes progression in humans. <i>Redox Biology</i> , 2020, 37, 101723.	9.0	36
38	YAP Orchestrates Heterotypic Endothelial Cell Communication via HGF/c-MET Signaling in Liver Tumorigenesis. <i>Cancer Research</i> , 2020, 80, 5502-5514.	0.9	31
39	Sulforaphane Promotes Dendritic Cell Stimulatory Capacity Through Modulation of Regulatory Molecules, JAK/STAT3- and MicroRNA-Signaling. <i>Frontiers in Immunology</i> , 2020, 11, 589818.	4.8	10
40	<sc>miRNA</sc> profiling of biliary intraepithelial neoplasia reveals stepwise tumorigenesis in distal cholangiocarcinoma via the <sc>miR</sc>â€451a</sc>ATF2</sc> axis. <i>Journal of Pathology</i> , 2020, 252, 239-251.	4.5	18
41	IL-6 regulates CCR5 expression and immunosuppressive capacity of MDSC in murine melanoma. , 2020, 8, e000949.		59
42	Yes-associated protein (YAP) induces a secretome phenotype and transcriptionally regulates plasminogen activator Inhibitor-1 (PAI-1) expression in hepatocarcinogenesis. <i>Cell Communication and Signaling</i> , 2020, 18, 166.	6.5	21
43	Autism-like behavior in Planp-deficient mice is associated with decreased neuronal Erd1 expression and altered GABAB receptor signaling. <i>Molecular Psychiatry</i> , 2020, 25, 2645-2645.	7.9	0
44	Human carnosinase 1 overexpression aggravates diabetes and renal impairment in BTBROb/Ob mice. <i>Journal of Molecular Medicine</i> , 2020, 98, 1333-1346.	3.9	8
45	Novel Broccoli Sulforaphane-Based Analogues Inhibit the Progression of Pancreatic Cancer without Side Effects. <i>Biomolecules</i> , 2020, 10, 769.	4.0	9
46	Pro-angiogenic Activity Discriminates Human Adipose-Derived Stromal Cells From Retinal Pericytes: Considerations for Cell-Based Therapy of Diabetic Retinopathy. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 387.	3.7	11
47	Hepatocyte caveolin-1 modulates metabolic gene profiles and functions in non-alcoholic fatty liver disease. <i>Cell Death and Disease</i> , 2020, 11, 104.	6.3	19
48	NOTCH target gene HES5 mediates oncogenic and tumor suppressive functions in hepatocarcinogenesis. <i>Oncogene</i> , 2020, 39, 3128-3144.	5.9	28
49	Thymoma Associated Myasthenia Gravis (TAMG): Differential Expression of Functional Pathways in Relation to MG Status in Different Thymoma Histotypes. <i>Frontiers in Immunology</i> , 2020, 11, 664.	4.8	23
50	Novel plant microRNAs from broccoletti sprouts do not show cross-kingdom regulation of pancreatic cancer. <i>Oncotarget</i> , 2020, 11, 1203-1217.	1.8	9
51	ADP secreted by dying melanoma cells mediates chemotaxis and chemokine secretion of macrophages via the purinergic receptor P2Y12. <i>Cell Death and Disease</i> , 2019, 10, 760.	6.3	18
52	CaM kinase II regulates cardiac hemoglobin expression through histone phosphorylation upon sympathetic activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22282-22287.	7.1	10
53	AKIRIN1: A Potential New Reference Gene in Human Natural Killer Cells and Granulocytes in Sepsis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2290.	4.1	8
54	MicroRNA-365a-3p inhibits c-Rel-mediated NF-ÎB signaling and the progression of pancreatic cancer. <i>Cancer Letters</i> , 2019, 452, 203-212.	7.2	28

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55	YAP-dependent induction of UHMK1 supports nuclear enrichment of the oncogene MYBL2 and proliferation in liver cancer cells. <i>Oncogene</i> , 2019, 38, 5541-5550.	5.9	45
56	EphB2-dependent signaling promotes neuronal excitotoxicity and inflammation in the acute phase of ischemic stroke. <i>Acta Neuropathologica Communications</i> , 2019, 7, 15.	5.2	30
57	Methylglyoxal down-regulates the expression of cell cycle associated genes and activates the p53 pathway in human umbilical vein endothelial cells. <i>Scientific Reports</i> , 2019, 9, 1152.	3.3	21
58	Longitudinal transcriptome-wide gene expression analysis of sleep deprivation treatment shows involvement of circadian genes and immune pathways. <i>Translational Psychiatry</i> , 2019, 9, 343.	4.8	21
59	Hepatic Endothelial Notch Activation Protects against Liver Metastasis by Regulating Endothelial-Tumor Cell Adhesion Independent of Angiocrine Signaling. <i>Cancer Research</i> , 2019, 79, 598-610.	0.9	41
60	Methylglyoxal induces retinopathy-type lesions in the absence of hyperglycemia: studies in a rat model. <i>FASEB Journal</i> , 2019, 33, 4141-4153.	0.5	27
61	Simvastatin inhibits sonic hedgehog signaling and stemness features of pancreatic cancer. <i>Cancer Letters</i> , 2018, 426, 14-24.	7.2	27
62	Epigenetically Regulated Chromosome 14q32 miRNA Cluster Induces Metastasis and Predicts Poor Prognosis in Lung Adenocarcinoma Patients. <i>Molecular Cancer Research</i> , 2018, 16, 390-402.	3.4	63
63	A proteolytic fragment of histone deacetylase 4 protects the heart from failure by regulating the hexosamine biosynthetic pathway. <i>Nature Medicine</i> , 2018, 24, 62-72.	30.7	88
64	Hypertension-evoked RhoA activity in vascular smooth muscle cells requires RGS5. <i>FASEB Journal</i> , 2018, 32, 2021-2035.	0.5	21
65	Cytoplasmic localization of the cell polarity factor scribble supports liver tumor formation and tumor cell invasiveness. <i>Hepatology</i> , 2018, 67, 1842-1856.	7.3	48
66	miRWalk: An online resource for prediction of microRNA binding sites. <i>PLoS ONE</i> , 2018, 13, e0206239.	2.5	1,102
67	The angiotensin II type 2 receptors protect renal tubule mitochondria in early stages of diabetes mellitus. <i>Kidney International</i> , 2018, 94, 937-950.	5.2	23
68	NFAT5 Isoform C Controls Biomechanical Stress Responses of Vascular Smooth Muscle Cells. <i>Frontiers in Physiology</i> , 2018, 9, 1190.	2.8	9
69	Glycyrrhetic Acid Antagonizes Pressure-Induced Venous Remodeling in Mice. <i>Frontiers in Physiology</i> , 2018, 9, 320.	2.8	3
70	Induction of Chromosome Instability by Activation of Yes-Associated Protein and Forkhead Box M1 in Liver Cancer. <i>Gastroenterology</i> , 2017, 152, 2037-2051.e22.	1.3	118
71	Assessment of acute kidney injury in rhabdomyolytic mice by transcutaneous measurement of sinistrin excretion. <i>Nephrology Dialysis Transplantation</i> , 2017, 32, 1167-1175.	0.7	5
72	A new path in defining light parameters for hair growth: Discovery and modulation of photoreceptors in human hair follicle. <i>Lasers in Surgery and Medicine</i> , 2017, 49, 705-718.	2.1	73

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73	Combining new tools to assess renal function and morphology: a holistic approach to study the effects of aging and a congenital nephron deficit. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F576-F584.	2.7	14
74	Caspase-10 Negatively Regulates Caspase-8-Mediated Cell Death, Switching the Response to CD95L in Favor of NF- $\kappa$ B Activation and Cell Survival. <i>Cell Reports</i> , 2017, 19, 785-797.	6.4	84
75	TTCA: an R package for the identification of differentially expressed genes in time course microarray data. <i>BMC Bioinformatics</i> , 2017, 18, 33.	2.6	16
76	Hyperglycaemic memory affects the neurovascular unit of the retina in a diabetic mouse model. <i>Diabetologia</i> , 2017, 60, 1354-1358.	6.3	32
77	Whole transcriptome data of primary human NK cells under hypoxia and interleukin 15 priming: A 2 <sup>2</sup> -factorial design experiment. <i>Data in Brief</i> , 2017, 14, 77-83.	1.0	3
78	Effects of mechanical ventilation on gene expression profiles in renal allografts from brain dead rats. <i>Respiratory Physiology and Neurobiology</i> , 2017, 246, 17-25.	1.6	1
79	IL-4 driven transcription factor FoxQ1 is expressed by monocytes in atopic dermatitis and stimulates monocyte migration. <i>Scientific Reports</i> , 2017, 7, 16847.	3.3	14
80	GATA4 and LMO3 balance angiocrine signaling and autocrine inflammatory activation by BMP2 in liver sinusoidal endothelial cells. <i>Gene</i> , 2017, 627, 491-499.	2.2	17
81	Epigenetic silencing of tumor suppressor candidate 3 confers adverse prognosis in early colorectal cancer. <i>Oncotarget</i> , 2017, 8, 84714-84728.	1.8	5
82	Assessing the potential of pharmaceuticals and their transformation products to cause mutagenic effects: Implications for gene expression profiling. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2753-2764.	4.3	3
83	Short Term Hypoxia Synergizes with Interleukin 15 Priming in Driving Glycolytic Gene Transcription and Supports Human Natural Killer Cell Activities. <i>Journal of Biological Chemistry</i> , 2016, 291, 12960-12977.	3.4	72
84	Carcinoma of the colon and rectum with deregulation of insulin-like growth factor 2 signaling: clinical and molecular implications. <i>Journal of Gastroenterology</i> , 2016, 51, 971-984.	5.1	19
85	Gene expression profiling reveals aryl hydrocarbon receptor as a possible target for photobiomodulation when using blue light. <i>Scientific Reports</i> , 2016, 6, 33847.	3.3	37
86	Cellular apoptosis susceptibility (CAS) is linked to integrin $\beta$ 1 and required for tumor cell migration and invasion in hepatocellular carcinoma (HCC). <i>Oncotarget</i> , 2016, 7, 22883-22892.	1.8	18
87	Stabilin-1 is expressed in human breast cancer and supports tumor growth in mammary adenocarcinoma mouse model. <i>Oncotarget</i> , 2016, 7, 31097-31110.	1.8	50
88	High Tissue Glucose Alters Intersomitic Blood Vessels in Zebrafish via Methylglyoxal Targeting the VEGF Receptor Signaling Cascade. <i>Diabetes</i> , 2015, 64, 213-225.	0.6	41
89	Loss of the Mechanotransducer Zyxin Promotes a Synthetic Phenotype of Vascular Smooth Muscle Cells. <i>Journal of the American Heart Association</i> , 2015, 4, e001712.	3.7	29
90	Alteration of mRNA and microRNA expression profiles in rat muscular type vasculature in early postnatal development. <i>Scientific Reports</i> , 2015, 5, 11106.	3.3	9

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91	Downregulation of N-terminal acetylation triggers ABA-mediated drought responses in Arabidopsis. Nature Communications, 2015, 6, 7640.	12.8	119
92	Inhibition of 13-cis retinoic acid-induced gene expression of reactive-resistance genes by thalidomide in glioblastoma tumours <i>in vivo</i> . Oncotarget, 2015, 6, 28938-28948.	1.8	11
93	Angiopoietin-1 Is Regulated by miR-204 and Contributes to Corneal Neovascularization in KLEIP-Deficient Mice. , 2014, 55, 4295.		24
94	miRWalk Database for miRNA-Target Interactions. Methods in Molecular Biology, 2014, 1182, 289-305.	0.9	259
95	miRWalk - Database: Prediction of possible miRNA binding sites by "walking" the genes of three genomes. Journal of Biomedical Informatics, 2011, 44, 839-847.	4.3	1,551
96	Comparative Morphological, Metabolic and Transcriptome Analyses in <i>elmo1</i> <sup>Δ</sup> , <i>elmo2</i> <sup>Δ</sup> , and <i>elmo3</i> <sup>Δ</sup> Zebrafish Mutants Identified a Functional Non-Redundancy of the Elmo Proteins. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	0